

***LineUp With Math™* Alignment**
Learning Results - Mathematics – July 1997

A. NUMBERS AND NUMBER SENSE

Students will understand and demonstrate a sense of what numbers mean and how they are used. Students will be able to:

<p>3. Apply concepts of ratios, proportions, percents, and number theory (e.g., primes, factors, and multiples) in practical and other mathematical situations.</p>	<p><i>LineUp With Math™</i> Activities</p> <p>--Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.</p> <p>--Use percent relationships to resolve distance, rate, time conflicts in air traffic control.</p>
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B. COMPUTATION

Students will understand and demonstrate computation skills. Students will be able to:

<p>2. Create, solve, and justify the solution for multi-step, real-life problems including those with ratio and proportion.</p>	<p><i>LineUp With Math™</i> Activities</p> <p>--Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.</p>
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F. MEASUREMENT

Students will understand and demonstrate measurement skills. Students will be able to:

<p>2. Develop and use concepts that can be measured directly or indirectly (e.g., the concept of rate).</p>	<p><i>LineUp With Math™</i> Activities</p> <p>--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.</p> <p>--Identify and resolve distance, rate, time conflicts in air traffic control problems by varying plane speeds or changing plane routes.</p>
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